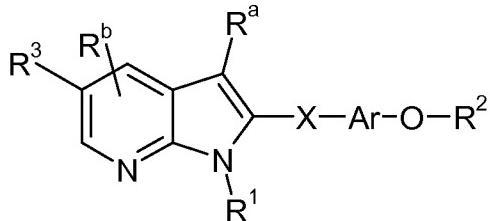


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A compound of formula I or a pharmaceutically acceptable salt thereof:



I

wherein

R¹ is optionally substituted C₁₋₁₀ hydrocarbyl; optionally substituted C₁₋₁₀acyl; optionally substituted C₄₋₈heteroaryl-C(=O); R⁴R⁵N-C₁₋₆alkyl; R⁴R⁵NC(=O)-C₁₋₆alkyl; R⁴O-C₁₋₆alkyl; R⁴OC(=O)-C₁₋₆alkyl; R⁴C(=O)-C₁₋₆alkyl; R⁴C(=O)NR⁴-C₁₋₆alkyl; R⁴R⁵NSO₂-C₁₋₆alkyl; R⁴CSO₂N(R⁵)-C₁₋₆alkyl; R⁴R⁵NC(=O)N(R⁶)-C₁₋₆alkyl; R⁴R⁵NSO₂N(R⁶)-C₁₋₆alkyl; optionally substituted aryl-C₁₋₆alkyl; optionally substituted aryl-C(=O)-C₁₋₆alkyl; optionally substituted heterocyclyl-C₁₋₆alkyl; optionally substituted heterocyclyl-C(=O)-C₁₋₆alkyl; and C₁₋₁₀hydrocarbylamino;

wherein R⁴, R⁵ and R⁶ are independently selected from -H, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, or a divalent C₁₋₆group that together with another divalent C₁₋₆group forms a portion of a ring;

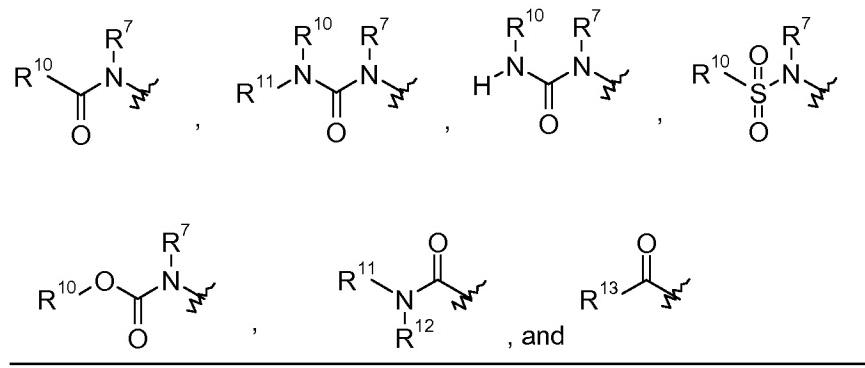
~~R⁴ is a C₄₋₁₂ group;~~

~~X is selected from the group consisting of -NR⁶-, -CH₂-CH₂-, -CH=CH-, -O-, -C(R⁸)(R⁹)-, and -S(O)_q-, wherein q is 0, 1 or 2, wherein R⁸ and R⁹ are independently C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, C₁₋₆alkoxy, -OH, or -H; at most one of R₈ and R₉ is -OH; X is a C₁₋₁₀divalent group that separates groups connected thereto by one or two saturated carbons;~~

~~Ar is a C₄₋₁₂ divalent aromatic group;~~

~~R² is optionally substituted C₁₋₆hydrocarbyl, optionally substituted C₆₋₁₀aryl, or optionally substituted C₃₋₆heteroaryl;~~

R³ is selected from:



wherein

R^7 is selected from -H, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted C_{2-6} alkynyl, optionally substituted C_{3-6} cycloalkyl, optionally substituted C_{6-10} aryl, or optionally substituted C_{3-6} heteroaryl;

R^{10} , R^{11} , R^{12} and R^{13} are independently selected from optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted C_{2-6} alkynyl, optionally substituted C_{3-6} cycloalkyl, optionally substituted C_{6-10} aryl, or optionally substituted C_{3-6} heteroaryl; R^3 is a C_{1-12} group, wherein the atom of R^3 that is directly connected to the six membered ring of formula I is a nitrogen, or an unsaturated carbon, wherein the unsaturated carbon is connected to an oxygen through a double bond; and

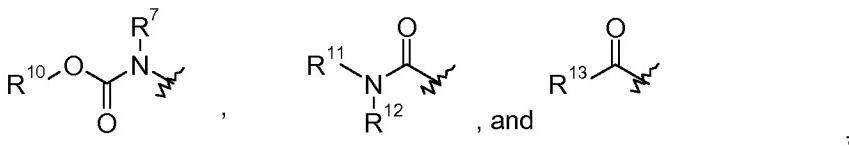
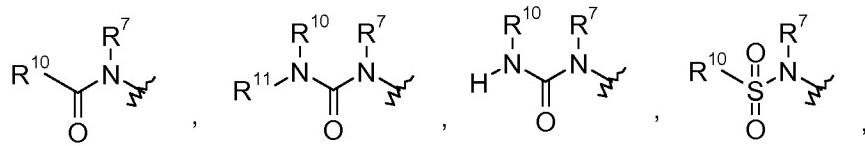
R^a and R^b are -R, $-\text{NO}_2$, $-\text{OR}$, $-\text{Cl}$, $-\text{Br}$, $-\text{I}$, $-\text{F}$, $-\text{CF}_3$, $-\text{C}(=\text{O})\text{R}$, $-\text{C}(=\text{O})\text{OH}$, $-\text{NH}_2$, $-\text{SH}$, $-\text{NHR}$, $-\text{NR}_2$, $-\text{SR}$, $-\text{SO}_3\text{H}$, $-\text{SO}_2\text{R}$, $-\text{S}(=\text{O})\text{R}$, $-\text{CN}$, $-\text{OH}$, $-\text{C}(=\text{O})\text{OR}$, or $-\text{NRC}(=\text{O})\text{R}$, wherein R is independently -H or C_{1-6} hydrocarbyl.

2. (currently amended) A compound as claimed in claim 1, wherein

R^4 is optionally substituted C_{1-10} hydrocarbyl; optionally substituted C_{1-10} acyl; optionally substituted C_{4-8} heteroaryl $\text{C}(=\text{O})$; $\text{R}^4\text{R}^5\text{N-C}_{1-6}$ alkyl; $\text{R}^4\text{R}^5\text{NC(=O)-C}_{1-6}$ alkyl; $\text{R}^4\text{O-C}_{1-6}$ alkyl; $\text{R}^4\text{OC(=O)-C}_{1-6}$ alkyl; $\text{R}^4\text{C(=O)-C}_{1-6}$ alkyl; $\text{R}^4\text{C(=O)NR}^4\text{-C}_{1-6}$ alkyl; $\text{R}^4\text{R}^5\text{NSO}_2\text{-C}_{1-6}$ alkyl; $\text{R}^4\text{CSO}_2\text{N(R}^5\text{)-C}_{1-6}$ alkyl; $\text{R}^4\text{R}^5\text{NC(=O)N(R}^6\text{)-C}_{1-6}$ alkyl; $\text{R}^4\text{R}^5\text{NSO}_2\text{N(R}^6\text{)-C}_{1-6}$ alkyl; optionally substituted aryl C_{1-6} alkyl; optionally substituted aryl $\text{C}(=\text{O})\text{-C}_{1-6}$ alkyl; optionally substituted heterocyclyl C_{1-6} alkyl; optionally substituted heterocyclyl $\text{C}(=\text{O})\text{-C}_{1-6}$ alkyl; and C_{1-10} hydrocarbylamine;

wherein R^4 , R^5 and R^6 are independently selected from -H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, or a divalent C_{1-6} group that together with another divalent C_{1-6} group forms a portion of a ring;

~~R³ is selected from:~~



wherein

~~R⁷ is selected from H, optionally substituted C₁₋₆alkyl, optionally substituted C₂₋₆alkenyl, optionally substituted C₂₋₆alkynyl, optionally substituted C₃₋₆cycloalkyl, optionally substituted C₆₋₁₀aryl, or optionally substituted C₃₋₆heteroaryl;~~

~~R¹⁰, R¹¹, R¹² and R¹³ are independently selected from optionally substituted C₁₋₆alkyl, optionally substituted C₂₋₆alkenyl, optionally substituted C₂₋₆alkynyl, optionally substituted C₃₋₆cycloalkyl, optionally substituted C₆₋₁₀aryl, or optionally substituted C₃₋₆heteroaryl; and~~

~~R^a and R^b are hydrogen.~~

3. (currently amended) A compound as claimed claim 1,

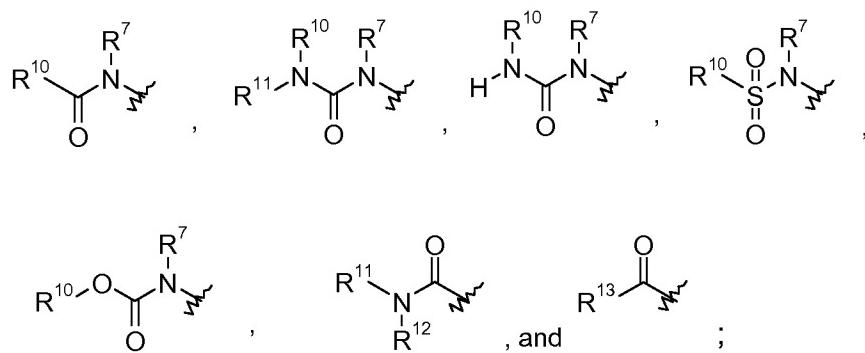
wherein R¹ is selected from C₁₋₈alkyl; C₂₋₈alkenyl; C₂₋₈alkynyl; optionally substituted aryl-C₁₋₆alkyl; R⁴R⁵NC₁₋₆alkyl; R⁴OC₁₋₆alkyl; C₃₋₆cycloalkyl-C₁₋₆alkyl; optionally substituted C₃₋₆heterocycloalkyl-C₁₋₆alkyl; C₁₋₆alkyl-C₆₋₈aryl; C₁₋₆alkyl-C(=O)-; C₆₋₈aryl-C(=O)-; C₃₋₈heteroaryl-C(=O)-; or optionally substituted C₃₋₆heteroaryl-C₁₋₆alkyl;

wherein R² is selected from C₁₋₆alkyl, C₁₋₆alkyl substituted by at least one fluorine, C₂₋₆alkenyl, C₂₋₆alkenyl substituted by at least one fluorine, C₂₋₆alkynyl, C₂₋₆alkynyl substituted by at least one fluorine, optionally substituted C₃₋₆cycloalkyl, optionally substituted C₆₋₁₀aryl, and optionally substituted C₃₋₆heteroaryl;

R⁴, R⁵ and R⁶ are independently selected from the group consisting of -H, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, and a divalent C₁₋₆group that together with another divalent C₁₋₆group forms a portion of a ring;

~~X is selected from the group consisting of NR⁶, -CH₂-CH₂-, CH=CH-, O-, C(R⁸)(R⁹)-, and S(O)_q-, wherein q is 0, 1 or 2, wherein R⁸ and R⁹ are independently C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, C₄₋₆alkoxy, OH, or H; at most one of R₈ and R₉ is OH;~~

~~R³ is selected from:~~



wherein

R^7 is selected from -H, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted C_{2-6} alkynyl, optionally substituted C_{3-6} cycloalkyl, optionally substituted C_{6-10} aryl, or optionally substituted C_{3-6} heteroaryl;

R^{10} , R^{11} , R^{12} and R^{13} are independently selected from optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted C_{2-6} alkynyl, optionally substituted C_{3-6} cycloalkyl, optionally substituted C_{6-10} aryl, or optionally substituted C_{3-6} heteroaryl; and

R^a and R^b are hydrogen.

4. (original) A compound as claimed in claim 3, wherein

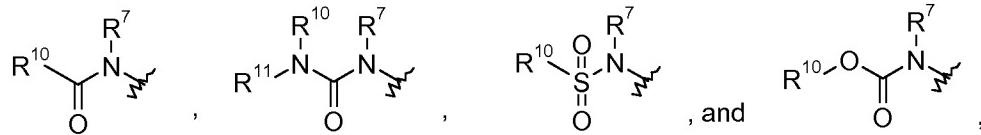
R^1 is selected from C_{1-6} alkyl; C_{2-6} alkenyl; C_{2-6} alkynyl; optionally substituted C_{3-6} cycloalkylmethyl; optionally substituted C_{3-6} heterocycloalkylmethyl;

X is $-\text{CH}_2-$;

Ar is phenylene or pyridylene;

R^2 is selected from $-\text{CH}_3$, $-\text{CH}_2\text{CH}_3$, $-\text{CH}(\text{CH}_3)_2$, $-\text{CH}_2\text{CF}_3$, CF_3 , cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, pyridyl and phenyl; and

R^3 is selected from



wherein, R^7 is selected from -H and methyl; R^{10} and R^{11} are independently selected from optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted C_{2-6} alkynyl, optionally substituted C_{3-6} cycloalkyl, optionally substituted C_{6-10} aryl, or optionally substituted C_{3-6} heteroaryl.

5. (original) A compound as claimed in claim 3, wherein

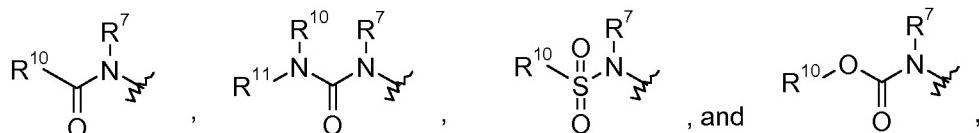
R¹ is selected from C₁₋₆alkyl; C₂₋₆alkenyl; C₂₋₆alkynyl; optionally substituted C₃₋₆cycloalkylmethyl; optionally substituted C₃₋₆heterocycloalkylmethyl;

X is -CH₂-;

Ar is selected from the group consisting of an optionally substituted *para*-arylene; an optionally substituted a six-membered *para*-heteroarylene;

R² is selected from -CH₃, -CH₂CH₃, -CH(CH₃)₂, -CH₂CF₃, CF₃, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, pyridyl and phenyl; and

R³ is selected from:



wherein, R⁷ is selected from -H and methyl; R¹⁰ and R¹¹ are selected from optionally substituted C₁₋₆alkyl, optionally substituted C₂₋₆alkenyl, optionally substituted C₂₋₆alkynyl, optionally substituted C₃₋₆cycloalkyl, optionally substituted C₆₋₁₀ aryl, or optionally substituted C₃₋₆heteroaryl.

6. (original) A compound as claimed in claim 3, wherein

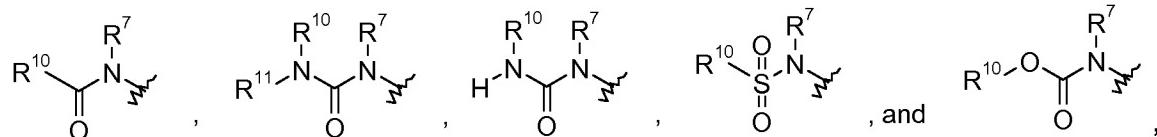
R¹ is selected from optionally substituted C₃₋₆cycloalkylmethyl; and optionally substituted C₃₋₆heterocycloalkylmethyl;

X is -CH₂-;

Ar is *para*-phenylene or *para*-pyridylene;

R² is methyl, or ethyl; and

R³ is selected from



wherein, R⁷ is selected from -H and methyl; R¹⁰ and R¹¹ are selected from C₁₋₆alkyl, C₃₋₆cycloalkyl, phenyl optionally substituted with halogen, nitro, C₁₋₃alkyl, -COOR¹⁴, -OH, cyano, trifluormethyl, C₁₋₃alkyloxy; C₃₋₆heteroaryl optionally substituted with halogen, nitro, C₁₋₃alkyl, -COOR¹⁴, -OH, cyano, trifluormethyl, C₁₋₃alkyloxy, wherein R¹⁴ is a C₁₋₃alkyl.

7. (original) A compound selected from:

- 1) *N*-[1-(cyclohexylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-2,2-dimethyl-propanamide;
- 2) *N*-[1-(cyclohexylmethyl)-2-[(3-methoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-2,2-dimethyl-propanamide;
- 3) *N*-[1-(cyclohexylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*-methyl-*N'*-(1-methylethyl)-urea;
- 4) *N*-[1-(cyclohexylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,3-dimethyl-butanamide;
- 5) *N*-[1-(cyclohexylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,2-dimethyl-propanamide;
- 6) *N*-[1-(cyclohexylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*-methyl-cyclopropanecarboxamide;
- 7) *N*-[1-(cyclohexylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,2,2-trimethyl-propanamide;
- 8) *N*-[1-(cyclohexylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*',*N*'-diethyl-*N*-methyl-urea;
- 9) *N*-[1-(cyclohexylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,5-dimethyl-3-isoxazolecarboxamide;
- 10) *N*-[1-(cyclohexylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-2-fluoro-*N*-methyl-benzamide;
- 11) *N*-[1-(cyclohexylmethyl)-2-[(5-ethoxy-2-pyridinyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-2,2-dimethyl-propanamide;
- 12) [1-(cyclohexylmethyl)-2-[(5-ethoxy-2-pyridinyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-1-methylethyl ester carbamic acid;
- 13) *N*-[1-(cyclohexylmethyl)-2-[(5-ethoxy-2-pyridinyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,2,2-trimethyl-propanamide;
- 14) *N*-[1-(cyclohexylmethyl)-2-[(5-ethoxy-2-pyridinyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,3-dimethyl-butanamide;
- 15) *N*-[1-(cyclohexylmethyl)-2-[(5-ethoxy-2-pyridinyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*-methyl-*N'*-(1-methylethyl)-urea;
- 16) *N*-[2-[(4-ethoxyphenyl)methyl]-1-[(tetrahydro-2*H*-pyran-4-yl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-2,2-dimethyl-propanamide;
- 17) *N*-[2-[(4-ethoxyphenyl)methyl]-1-[(tetrahydro-2*H*-pyran-4-yl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-2,6-difluoro-*N*-methyl-benzenesulfonamide;

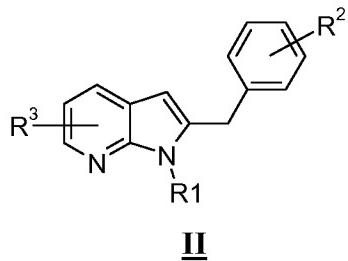
- 18) *N*-[2-[(4-ethoxyphenyl)methyl]-1-[(tetrahydro-2*H*-pyran-4-yl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*-methyl-cyclobutanecarboxamide;
- 19) *N*-[2-[(4-ethoxyphenyl)methyl]-1-[(tetrahydro-2*H*-pyran-4-yl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-2,5-difluoro-*N*-methyl-benzamide;
- 20) *N*-[2-[(4-ethoxyphenyl)methyl]-1-[(tetrahydro-2*H*-pyran-4-yl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,2-dimethyl-propanamide;
- 21) *N*-[2-[(4-ethoxyphenyl)methyl]-1-[(tetrahydro-2*H*-pyran-4-yl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,2,2-trimethyl-propanamide;
- 22) *N*-[2-[(4-ethoxyphenyl)methyl]-1-[(tetrahydro-2*H*-pyran-4-yl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*-methyl-*N'*-(1-methylethyl)-urea;
- 23) *N*-[2-[(4-ethoxyphenyl)methyl]-1-[(tetrahydro-2*H*-pyran-4-yl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,3-dimethyl-butanamide;
- 24) *N*-[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-2,2-dimethyl-propanamide;
- 25) [1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-, methyl ester carbamic acid;
- 26) *N*-[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-2,6-difluoro-*N*-methyl-benzenesulfonamide;
- 27) *N*-[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*-methyl-2-pyridinecarboxamide;
- 28) *N*-[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,3-dimethyl-butanamide;
- 29) *N*-[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*-methyl-*N'*-(1-methylethyl)-urea;
- 30) *N*-[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,1-dimethyl-1*H*-imidazole-5-sulfonamide;
- 31) *N*-[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-4-(dimethylamino)-*N*-methyl- benzamide;
- 32) *N*-[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*,5-dimethyl-3-isoxazolecarboxamide;
- 33) 4-[[[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]methylamino]sulfonyl]-benzoic acid;
- 34) *N*-[1-(cyclobutylmethyl)-2-[(4-ethoxyphenyl)methyl]-1*H*-pyrrolo[2,3-*b*]pyridin-5-yl]-*N*-methyl-2-nitro-benzenesulfonamide; and pharmaceutically acceptable salts thereof.

8 –11 (cancelled)

12. (currently amended) A pharmaceutical composition comprising a therapeutically effective amount of a compound according to claim 1 and a pharmaceutically acceptable carrier.

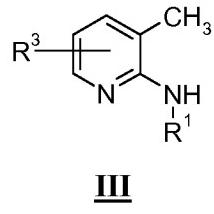
13. (cancelled)

14. (original) A method for preparing a compound of formula II,

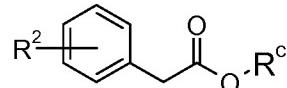


comprising the steps of

a) reacting a compound of formula III,



with a base having a pKa more than 20;



b) reacting a product formed in step a) with a compound of formula IV,

IV

to form the compound of formula II,

wherein

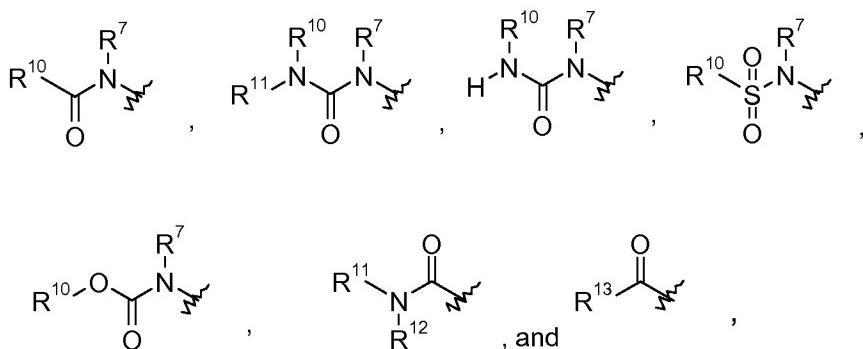
R¹ is optionally substituted C₁₋₁₀ hydrocarbyl; optionally substituted C₁₋₁₀acyl; optionally substituted C₄₋₈heteroaryl-C(=O)-; R⁴R⁵N-C₁₋₆alkyl; R⁴R⁵NC(=O)-C₁₋₆alkyl; R⁴O-C₁₋₆ alkyl; R⁴OC(=O)-C₁₋₆alkyl; R⁴C(=O)-C₁₋₆alkyl; R⁴C(=O)NR⁴-C₁₋₆alkyl; R⁴R⁵NSO₂-C₁₋₆alkyl; R⁴CSO₂N(R⁵)-C₁₋₆alkyl; R⁴R⁵NC(=O)N(R⁶)-C₁₋₆alkyl; R⁴R⁵NSO₂N(R⁶)-C₁₋₆alkyl; optionally substituted aryl-C₁₋₆alkyl; optionally substituted aryl-C(=O)-C₁₋₆alkyl; optionally substituted

heterocyclyl-C₁₋₆alkyl; optionally substituted heterocyclyl-C(=O)-C₁₋₆alkyl; and C₁₋₁₀hydrocarbylamino;

wherein R⁴, R⁵ and R⁶ are independently selected from -H, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, or a divalent C₁₋₆group that together with another divalent C₁₋₆group forms a portion of a ring;

R² is optionally substituted C₁₋₆hydrocarbyl, optionally substituted C₆₋₁₀aryl, or optionally substituted C₃₋₆heteroaryl;

R³ is selected from:



wherein

R⁷ is selected from -H, optionally substituted C₁₋₆alkyl, optionally substituted C₂₋₆alkenyl, optionally substituted C₂₋₆alkynyl, optionally substituted C₃₋₆cycloalkyl, optionally substituted C₆₋₁₀aryl, or optionally substituted C₃₋₆heteroaryl;

R¹⁰, R¹¹, R¹² and R¹³ are independently selected from optionally substituted C₁₋₆alkyl, optionally substituted C₂₋₆alkenyl, optionally substituted C₂₋₆alkynyl, optionally substituted C₃₋₆cycloalkyl, optionally substituted C₆₋₁₀aryl, or optionally substituted C₃₋₆heteroaryl; and

R^c is C₁₋₄alkyl.

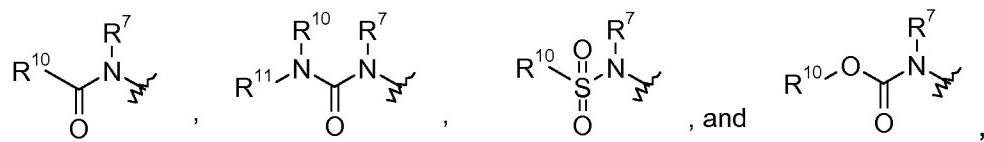
15. (original) A process as claimed in claim 14, wherein

the base is t-butyl lithium;

R¹ is selected from C₁₋₆alkyl; C₂₋₆alkenyl; C₂₋₆alkynyl; optionally substituted C₃₋₆cycloalkylmethyl; optionally substituted C₃₋₆heterocycloalkylmethyl;

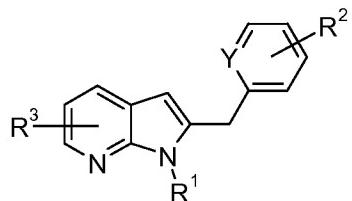
R² is selected from -CH₃, -CH₂CH₃, -CH(CH₃)₂, -CH₂CF₃, CF₃, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, pyridyl and phenyl; and

R³ is selected from:



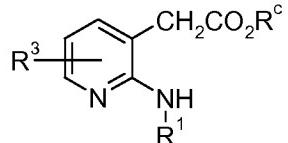
wherein, R^7 is selected from -H and methyl; R^{10} and R^{11} are independently selected from optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted C_{2-6} alkynyl, optionally substituted C_{3-6} cycloalkyl, optionally substituted C_{6-10} aryl, or optionally substituted C_{3-6} heteroaryl.

16. (original) A process for preparing a compound of formula V,



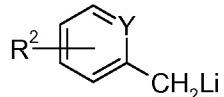
V

comprising the step of reacting a compound of formula VI,



VI

with a compound of formula VII,



VII

to form the compound of formula V,

wherein

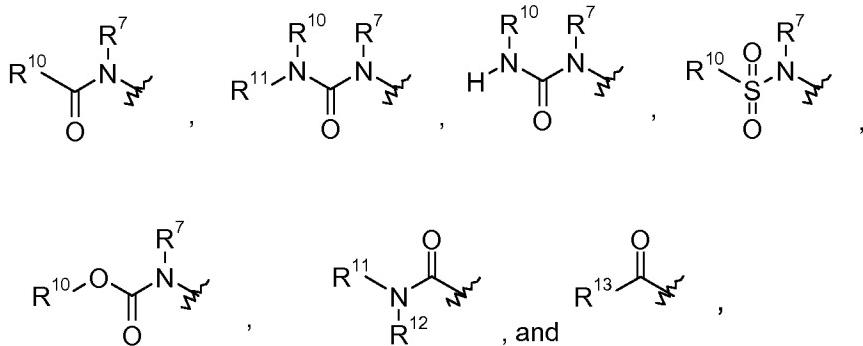
R^1 is optionally substituted C_{1-10} hydrocarbyl; optionally substituted C_{1-10} acyl; optionally substituted C_{4-8} heteroaryl-C(=O)-; $R^4R^5N-C_{1-6}$ alkyl; $R^4R^5NC(=O)-C_{1-6}$ alkyl; R^4O-C_{1-6} alkyl; $R^4OC(=O)-C_{1-6}$ alkyl; $R^4C(=O)-C_{1-6}$ alkyl; $R^4C(=O)NR^4-C_{1-6}$ alkyl; $R^4R^5NSO_2-C_{1-6}$ alkyl; $R^4CSO_2N(R^5)-C_{1-6}$ alkyl; $R^4R^5NC(=O)N(R^6)-C_{1-6}$ alkyl; $R^4R^5NSO_2N(R^6)-C_{1-6}$ alkyl; optionally substituted aryl- C_{1-6} alkyl; optionally substituted aryl-C(=O)- C_{1-6} alkyl; optionally substituted

heterocyclyl-C₁₋₆alkyl; optionally substituted heterocyclyl-C(=O)-C₁₋₆alkyl; and C₁₋₁₀hydrocarbyl amino;

wherein R⁴, R⁵ and R⁶ are independently selected from -H, C₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, or a divalent C₁₋₆group that together with another divalent C₁₋₆group forms a portion of a ring;

R² is optionally substituted C₁₋₆hydrocarbyl, optionally substituted C₆₋₁₀aryl, or optionally substituted C₃₋₆heteroaryl;

R³ is selected from:



wherein

R⁷ is selected from -H, optionally substituted C₁₋₆alkyl, optionally substituted C₂₋₆alkenyl, optionally substituted C₂₋₆alkynyl, optionally substituted C₃₋₆cycloalkyl, optionally substituted C₆₋₁₀aryl, or optionally substituted C₃₋₆heteroaryl;

R¹⁰, R¹¹, R¹² and R¹³ are independently selected from optionally substituted C₁₋₆alkyl, optionally substituted C₂₋₆alkenyl, optionally substituted C₂₋₆alkynyl, optionally substituted C₃₋₆cycloalkyl, optionally substituted C₆₋₁₀aryl, or optionally substituted C₃₋₆heteroaryl;

Y is CH or N; and

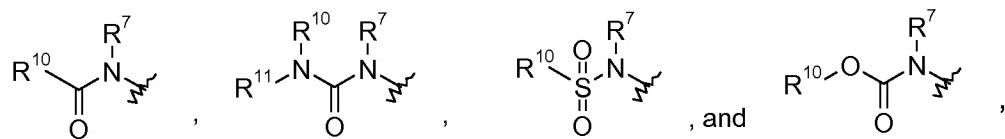
R^c is C₁₋₄alkyl.

17. (original) A process as claimed in claim 16, wherein

R¹ is selected from C₁₋₆alkyl; C₂₋₆alkenyl; C₂₋₆alkynyl; optionally substituted C₃₋₆cycloalkylmethyl; optionally substituted C₃₋₆heterocycloalkylmethyl;

R² is selected from -CH₃, -CH₂CH₃, -CH(CH₃)₂, -CH₂CF₃, CF₃, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, pyridyl and phenyl; and

R³ is selected from:



wherein, R⁷ is selected from -H and methyl; R¹⁰ and R¹¹ are independently selected from optionally substituted C₁₋₆alkyl, optionally substituted C₂-alkenyl, optionally substituted C₂-alkynyl, optionally substituted C₃₋₆cycloalkyl, optionally substituted C₆₋₁₀ aryl, or optionally substituted C₃₋₆heteroaryl.